

**Abstract**

**A CORRELATION BETWEEN FOOT REACTION SPEED WITH SMASH SKILLS IN THE EXTRACURRICULAR OF SEPAK TAKRAW GAMES AT SMAN 2 SOUTH BENGKULU**

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*This study aims to determine the relationship between foot reaction speed and smash skills in the sepak takraw game at SMAN 2 South Bengkulu. The correlation research aims to find out whether there is a relationship between two or more variables. The independent variable is foot reaction speed and the dependent variable is smash skills. The sampling method used in this study is total sampling technique. The sample consists of all sepak takraw players at SMAN 2 South Bengkulu, totaling 11 individuals. The instruments used in this study are foot reaction speed tests and smash skills tests. The foot reaction speed and smash skills test obtained a correlation coefficient of  $r_{xy} = 0.64 > 0.60$  and a contribution of 64%, indicating that the contribution of foot reaction speed to the smash skills of sepak takraw players at SMAN 2 South Bengkulu is significant and large. Therefore, the hypothesis stating "There is a significant relationship between foot reaction speed and accuracy of smash skills of athletes at SMAN 2 South Bengkulu" is accepted.*

**Keywords: Foot reaction speed, accuracy of smash skills**

